2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-LLQ470J-DF

(full size images available on web site)

Type:

- 2U Rack Mount Industrial PC
- Depth: 17", Max Card Depth: 9 inches"

Motherboard:

- Featuring Intel Q470E Chipset and 10th/11th Gen Core i7/i5/i3, LGA1200 processor
- **Long Production Cycle Motherboard (Through Q2 2035)**
- **Low Profile Slots:**
  1 - PCIe x16
  1 - PCIe x8
  1 - PCIe x4
  1 - PCIe x1
- **LAN:** 4x Ports (2.5GbE + 2.5GbE + 1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** 2x HDMI
- **Audio:** No Onboard Audio
- **Ports:**
  4x USB 2.0 Ports (4 Internal Headers)
  2x USB 3.2 Gen 1 Ports (2 Front)
  4x USB 3.2 Gen 2 Ports (4 Rear)
  6x COM Ports (4 RS232 Internal Headers, 2 RS232/422/485 Rear)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 60ºC (32ºF to 140ºF)

Configuration summary:

- **Processor:** G5905- 3.50GHz Intel Celeron CPU - Dual Core, 4MB Cache, UHD Graphics 610 (58W)
- **Memory:** 8GB DDR4 3200MHz RAM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD

or greater 5,000/3,000MB/s
- **Power Supply:** 400W Full Range Input 1U Power Supply - Active PFC 80 Plus Bronze
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: MicroATX
- Long Production Cycle
- Long Life: YES
- EOL Date: Q2 2035

Supported CPU
- Number of Processors: 1
- Processor Type: 10th/11th Gen Core i7/i5/i3, LGA1200

Chipset
- Chipset: Intel Q470E Chipset

Memory
- Memory Type: DDR4 2666MHz
- Memory Type: Non-ECC
- DIMMS: 4
- Maximum Memory: 128GB

On Board Audio
- Audio Type: No Onboard Audio

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 2x HDMI
- HDMI Out: 2

LAN
- LAN Ports: 4
- LAN Type and IPMI: 2.5GbE + 2.5GbE + 1GbE + 1GbE
- LAN Chipset: Intel i225-LM 2.5GbE Ethernet
- Second LAN Chipset: Intel i225-LM 2.5GbE Ethernet
- Third LAN Chipset: Intel i219-LM
- Fourth LAN Chipset: Intel i210AT

Chassis Specifications:

General
- Form Factor: 2U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

Expansion
- Low Profile Slots: 7
- Max Card Depth: 9 inches"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 3
- External 3.5" Bays: 1

Front Ports
- USB 3.2 Ports (Front): 2

Cooling System
- Maximum Fan Count: 3
- Included Fans: 3

Physical
- Depth: 17"
- Depth (Inches): 17
- Width: 19"
- Height: 3.50"
- Shipping Box - Depth: 24"
- Shipping Box - Width: 23"
- Shipping Box - Height: 8"
- Shipping Weight: 28lbs

Compliance of Component
- RoHS

Other Features
- Chassis Warranty: 1 Year

- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 6
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1
- PCI Express x8 Slots On Motherboard: 1
- PCI Express x4 Slots On Motherboard: 1
- PCI Express x1 Slots On Motherboard: 1

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
- PCIe Signal
- 22110 - 22 mm x 110 mm.
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- M.2 Slot #2 Specs
- PCIe Signal
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

- USB 3.2 Gen 2 Type A Ports (on IO): 4
- Serial 232/422/485 Ports: 2

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 4
- FAN Connectors: 7
- TPM Support: 2.0 Module Included

Management Features

- AMT

Environmental

- Operating Temperature: 0ºC to 60ºC (32ºF to 140ºF)
- High Humidity: 90%
- Low Humidity: 10%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Value 2019 LTSC

Power

- Remote Server Management:

- Windows 10 IoT Ent 2019 LTSC
- Windows 10 IoT 2021 LTSC Value
- Windows 10 IoT 2021 LTSC High End
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Features:
  1 PCI-E x16 Slot (Gen 3)
  1 PCI-E x8 Slot (Gen 3)
  1 PCI-E x4 Slot (Gen 3)
  1 PCI-E x1 Slot (Gen 3)

  * Access to PCI Express slot requires expansion slot and a riser in some chassis models. Please check Chassis Specification section for more information.

  If you have any questions, please discuss with our Sales Engineers.

- Motherboard Warranty: 1 Year